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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/955,306	09/19/2001		Futoshi Kuniyoshi	743421-0043	1720	
22204	7590	04/18/2003				
NIXON PE		•	EXAMINER			
8180 GREE SUITE 800	NSBORO	DRIVE		SHEEHAN, JOHN P		
MCLEAN, V	VA 2210	2		ART UNIT	ART UNIT PAPER NUMBER	
				1742		
			DATE MAILED: 04/18/2003			

Please find below and/or attached an Office communication concerning this application or proceeding.

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3	Application No.	Applicant(s)	-9
	09/955,306	KUNIYOSHI ET AL	/
Offic Action Summary	Examiner	Art Unit	
	John P. Sheehan	1742	
Th MAILING DATE of this communication app Period for Reply	pears on the cover she	et with the correspondence add	dress
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, in your within the statutory minimum will apply and will expire SIX (6), cause the application to become	may a reply be timely filed n of thirty (30) days will be considered timely 6) MONTHS from the mailing date of this co ome ABANDONED (35 U.S.C. § 133).	mmunication.
1) Responsive to communication(s) filed on	·		
2a) This action is FINAL. 2b) The	nis action is non-final.		
3) Since this application is in condition for allow closed in accordance with the practice under Disposition of Claims	ance except for forma Ex parte Quayle, 193	al matters, prosecution as to the 35 C.D. 11, 453 O.G. 213.	e merits is
4)⊠ Claim(s) <u>1-15</u> is/are pending in the application	n.		
4a) Of the above claim(s) is/are withdra	wn from consideration	n.	
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) 1-15 are subject to restriction and/or	election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examine	er.		
10) ☐ The drawing(s) filed on is/are: a) ☐ acce	pted or b) objected to	by the Examiner.	
Applicant may not request that any objection to th			
11)☐ The proposed drawing correction filed on	_ , , , ,		er.
If approved, corrected drawings are required in re	-		
12) ☐ The oath or declaration is objected to by the Ex	caminer.		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreign	n priority under 35 U.	S.C. § 119(a)-(d) or (f).	
a)⊠ All b)□ Some * c)□ None of: —			
1. Certified copies of the priority document			
2. Certified copies of the priority document			
 3. Copies of the certified copies of the prior application from the International But * See the attached detailed Office action for a list 	ireau (PCT Rule 17.2	!(a)).	Stage
14) ☐ Acknowledgment is made of a claim for domest	ic priority under 35 U	.S.C. § 119(e) (to a provisional	application).
a) The translation of the foreign language pro			
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _ 	5) 🔲 Not	erview Summary (PTO-413) Paper No(iice of Informal Patent Application (PTG er:	

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1 to 8, drawn to a method of making a rare earth-iron-boron magnet comprising preparing a rare earth-iron-boron powder containing 50 to 4000 wt. ppm oxygen and 150 to 1500 wt ppm nitrogen, compacting the powder, impregnating the compact with an oil and sintering the oil impregnated compact in a first step at a temperature of 700° to less than 1000°C for 10 to 420 minutes and in a second step at 1000° to 1200°C to produce a magnet having an average crystal grain size of 3 to 9 microns, classified in class 419, subclass 12.
 - II. Claim 9 and 11 to 15, drawn to a rare earth-iron-boron magnet 50 to 4000 wt. ppm oxygen and 150 to 1500 wt ppm nitrogen, classified in class 148, subclass 302.
 - III. Claim 10, drawn to a method of making a rare earth-iron-boron magnet comprising preparing a rare earth-iron-boron powder containing 50 to 4000 wt. ppm oxygen and 150 to 1500 wt ppm nitrogen by hydrogen occlusion and milling the embrittled alloy, compacting the powder, retaining the compact at a temperature of 700° to less than 1000°C for 10 to 420 minutes and releasing the hydrogen from the compact and sintering the compact at 1000° to 1200°C to produce a magnet having an average

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crystal grain size of 3 to 13 microns and a hydrogen content of 10 to 100 ppm by weight, classified in class 419, subclass 12.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process such as for example the process of the Group III invention.
- 3. The Group I and Group III inventions are distinct in that they are capable of separate manufacture, use, or sale as claimed and are patentable (novel and unobvious) over each other (though they may each be unpatentable because of the prior art), MPEP 802.01.

Should applicant traverse on the ground that the inventions are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

4. Inventions III and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the

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process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case that the product as claimed can be made by another and materially different process such as for example the process of the Group I invention.

5. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and because the search required for anyone of the above listed inventions is not required for the other two inventions, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement may be traversed (37 CFR 1.143).

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John P. Sheehan whose telephone number is (703)

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308-3861. The examiner can normally be reached on T-F (6:30-5:00) Second Monday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on (703) 308-1146. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0651.

John P. Sheehan Primary Examiner Art Unit 1742

jps April 17, 2003